(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PC

#### (19) World Intellectual Property Organization International Bureau



# 

### (43) International Publication Date 2 October 2003 (02.10.2003)

# PCT

## (10) International Publication Number WO 03/080943 A1

(51) International Patent Classification7: E02F 3/815, 3/76

(21) International Application Number: PCT/AU03/00374

(22) International Filing Date: 21 March 2003 (21.03.2003)

(25) Filing Language:

English

(26) Publication Language:

**English** 

(30) Priority Data:

PS 1294

25 March 2002 (25.03.2002) AU

(71) Applicant and

(72) Inventor: SIELING, Nicolaas, Laurisse [NZ/AU]; Murray-Gwynne Farm, The Coach Road, Mulwala, New South Wales 2647 (AU).

(81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

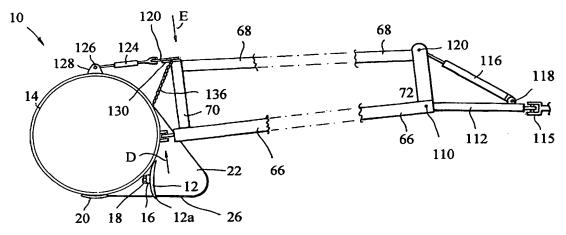
(84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

#### **Published:**

with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: GROUND LEVELLING APPARATUS



(57) Abstract: Tractor towed ground levelling apparatus includes an elongate cutting edge mounted on a cylindrical steel beam. The beam carries road wheels and is connected to a foldable drawbar hitched to the plough arms of the tractor. Alternatively, the drawbar may be connected to the drawbar of the tractor through a height adjusting mechanism. When folded the drawbar is nestled against the beam and can be hitched to a road vehicle. The road wheels lift when the drawbar is unfolded, lowering the beam to the ground. The beam has a skid bar that skids over the ground in use. The cutting edge is mounted close to the skid bar and positioned so that its ground engaging edge is level with and parallel to the skid bar. The cutting edge is lifted or lowered by the plough arms or the height adjusting mechanism.